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**Cc:** Loesel, Matthew[loesel.matthew@epa.gov]  
**From:** Foster, Althea  
**Sent:** Tue 8/11/2015 3:49:08 PM  
**Subject:** FW: GKM - Preliminary irrigation figures

**From:** McCasland, Mark  
**Sent:** Tuesday, August 11, 2015 10:02 AM  
**To:** Atkins, Blake; Brown, Jamesr; Crossland, Ronnie; Foster, Althea; Garcia, David; Restivo, Angela; Webster, Susan  
**Subject:** GKM - Preliminary irrigation figures

Each water hauler is estimated to be able to carry 5000 gallons. The extension service rep (Bonnie Hopkins), Jon Rinehart and I discussed needing 1 truck per acre which provides about a quarter inch of water. 2 trucks would provide  $\frac{1}{2}$ " of water per acre. It takes about 20 minutes to fill a truck, then transit time to the farmer, offloading of water.

The issues is the delivery mechanism to the acreage which is flooding from the ditch (gravity flow).

There is the possibility of using CLEAN frac tanks or other tanks to offload the water at each farmer's location to facilitate turn around time between truck loads.

Jon is working with a contractor to have the irrigation ditches cleaned of standing water and some contamination from leakage around the ditch gates. Bonnie wants to make sure the ditches are ready when the river reopens.

Cost estimates are \$70 per hour for each truck plus cost of water, tanks, etc.

We are actually meeting with the ditch managers at 9:30 MDT to discuss extent of ditch

contamination, More to come.

FYI, There are HUNDREDS (possibly thousands) of acres of crops. Bonnie will start compiling information from the farmers as the requests come in. We have about 500 acres (about 50 farmers) she knows about so far.

Thanks,

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